CLAIMS

What is claimed is:

- 1. A method for data recovery in a continuous data protection system, the system having a primary volume and a secondary volume, the method comprising the steps of:
 - (a) selecting a snapshot of the primary volume to be recovered;
 - (b) selecting a location on which the snapshot is to be loaded;
 - (c) creating a point in time (PIT) map for the selected snapshot; and
 - (d) loading the selected snapshot at the selected location.
- 2. The method according to claim 1, wherein step (a) includes selecting a scheduled snapshot.
- 3. The method according to claim 1, wherein step (a) includes selecting an any point in time (APIT) snapshot.
- 4. The method according to claim 3, further comprising the step of creating a delta map spanning the time between the time of the selected APIT snapshot and a time of a second delta map, the second delta map immediately preceding the selected APIT snapshot, the creating step being performed prior to step (c).
- 5. The method according to claim 4, wherein the created delta map includes changes made between the time of the selected APIT snapshot and the time of the second delta map.
- 6. The method according to claim 1, wherein step (b) includes selecting a logical unit on which the snapshot is to be loaded.

- 7. The method according to claim 1, wherein step (c) includes merging the created delta map with all delta maps earlier than the second delta map.
- 8. The method according to claim 7, wherein the merging step is optimized by using pre-merged delta maps.
 - 9. The method according to claim 1, further comprising the step of:
- (e) resolving a data block from the PIT map to determine which block on the secondary volume is presented as being part of the snapshot.
 - 10. The method according to claim 9, further comprising the step of:
- (f) accessing the snapshot via a host computer as if the snapshot was the primary volume at an earlier point in time, corresponding to the time of the selected snapshot.
- 11. The method according to claim 1, further comprising the step of: controlling access to the loaded snapshot, wherein only authorized host computers can access the loaded snapshot.
- 12. A system for data recovery in a continuous data protection system, comprising:
 - a host computer;
 - a primary data volume;
 - a secondary data volume;

creating means for creating a snapshot of said primary data volume; storing means for storing said snapshot on said secondary data volume; selecting means for selecting a snapshot on said secondary data volume; and accessing means for accessing said selected snapshot on said host computer.

- 13. The system according to claim 12, wherein said storing means includes a marker inserted into a write log on said secondary data volume.
- 14. The system according to claim 12, wherein said selecting means includes a graphical user interface.
- 15. The system according to claim 12, wherein said selecting means includes first selecting means for selecting a snapshot; and second selecting means for selecting a logical unit for loading said selected snapshot.
- 16. The system according to claim 15, wherein said first selecting means includes selecting a scheduled snapshot.
- 17. The system according to claim 15, wherein said first selecting means includes selecting an any point in time (APIT) snapshot.
- 18. The system according to claim 17, further comprising: second creating means for creating a delta map spanning the time between the time of said selected APIT snapshot and a time of a second delta map, said second delta map immediately preceding said selected APIT snapshot.
- 19. The system according to claim 18, wherein said created delta map includes changes made between the time of said selected APIT snapshot and the time of said second delta map.
- 20. The system according to claim 12, wherein said accessing means presents said selected snapshot to a user as if said selected snapshot were said primary data volume at an earlier point in time, corresponding to the time of said selected snapshot.

- 21. The system according to claim 12, further comprising: controlling means for controlling access to said selected snapshot.
- 22. The system according to claim 21, wherein said controlling means permits only authorized host computers to access said selected snapshot.